

Town of Natick

Massachusetts

Cochituate Rail Trail Project

Early Environmental Coordination

May 2014



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25% Early Environmental Checklist



**25% Design Submission Checklist
Early Environmental Coordination for Design Projects
Effective 1/01/2011**

The Designer shall complete and submit this form electronically with backup information and explanations of how each item has been addressed or documented. Completion of this checklist and its requirements is necessary for the project to obtain approval from Environmental Services to proceed with a 25% Design Public Hearing.

Note: In an attempt to reduce paper consumption, Environmental Services requests that only one (1) paper copy of the 25% Design is submitted for Environmental review. All Early Environmental Coordination documentation should be submitted only in an electronic format (.pdf, .doc, .xls, etc) wherever possible. Documentation should be submitted to the MassDOT project manager for routing to Environmental Services.

	PUBLIC COORDINATION	Instructions	Addressed?
1	Coordinate with local boards, commissions & officials to identify specific issues or concerns regarding the project purpose and need and general scope of work. Attach all written correspondence.	Click Here	Y
2	If the proponent has presented the project in a public meeting setting, provide information regarding the meeting including the name of the public board/commission, the date and location, public comments and any formal meeting minutes.		Y*
3	Send a letter to the Local Historical Commission (LHC) with a project description and location map, seeking comments. CC (with scope & locus) the State Historic Preservation Officer (SHPO) and MassDOT Highway Division Environmental Services Cultural Resources Unit (CRU).	Click Here	Y
4	For projects in MassDOT Highway Division Districts 1 or 5: Send a letter to the appropriate Tribal Historic Preservation Officer (THPO) - the Stockbridge-Munsee THPO for District 1, the Wampanoag Tribe of Gay Head (Aquinnah) and the Mashpee Tribe THPOs for District 5 - with a project description and location map, seeking comments. CC the MassDOT Highway Division Environmental Services CRU. No THPO letters are required for Districts 2, 3, 4, or 6.	Click Here	N/A-District 3
5	Submit a Navigability Survey to the Municipal Harbor Master where work will occur on bridges over U.S. Coast Guard (USCG) regulated navigable waterways. Attach the completed survey.	Click Here	N/A
6	Where work will occur within or adjacent to a Wild and Scenic River, submit a letter to the National Park Service with a project description and location map to initiate early coordination. Attach all written correspondence.	Click Here	N/A
	REGULATORY FRAMEWORK AND REQUIRED DELIVERABLES		
7	Complete and submit an editable (MS Word format .doc or other), electronic Categorical Exclusion (CE) checklist for review and processing by Environmental Services. The draft CE should include a thorough project description and responses to checklist questions.	Click Here	Y
8	Evaluate the project in light of MEPA Review Thresholds. Provide documentation that the project does/does not exceed thresholds. If thresholds are exceeded, an editable (MS Word format .doc or other) draft ENF should be prepared and submitted once the 25% Design Public Hearing has been completed. This does not apply to projects which are exempt from MEPA review under the Bridge Exemption.	Click Here	Y
9	Electronically complete and submit the 25% Design portion of the Water Quality Data Form to determine the impairment status of waterbodies receiving highway runoff.	Click Here	Y
10	If the project will impact wetland resource areas (BVW, Bank, LUW, etc), determine if the project is subject to permitting under Sections 401 and 404 of the Clean Water Act and the Massachusetts Wetlands Protection Act. Provide explanations for each determination of applicability. Ensure that permitting timelines are included in the project schedule.		Y
	PROJECT CONTEXT/SETTING AND FIELD RECONNAISSANCE		
11	Identify the dominant land uses within the project area, its general context characteristics, and ownership. Identify any publicly-owned open space (Section 4(f) or Article 97 protected property - parks, recreational areas, conservation land and wildlife refuges) within the project area and describe its designated and current use. This information should be included within the project description attached to the CE Checklist.	Click Here	Y
12	Determine if the project occurs within or adjacent to sensitive environmental resources: Outstanding Resource Waters, stormwater "critical areas", Areas of Critical Environmental Concern (ACECs), NHESP designated endangered species habitat and certified/potential vernal pools, impaired waterbodies, regulated wetland resources, FEMA delineated floodways, Wild & Scenic Rivers, ACOE Special Aquatic Sites (salt marsh, tidal flats, vegetated shallows, etc), Essential Fish Habitat and/or high quality streams.	Click Here	Y
13	Identify known cultural and historical resources in the project area. These include properties or structures listed on the National/State Register(s) of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth.	Click Here	Y
14	Identify all existing or proposed material within the project limits which may require handling as hazardous waste or be subject to other environmental handling regulations upon disposal. These materials include suspected treated timber, asbestos, lead-based paint, mercury switches, PCB-containing materials, etc.	Click Here	Y
15	List locations of known oil and hazardous materials releases in proximity to the project limits. For projects involving excavation work, provide all available relevant soil, sediment, and groundwater sampling results along with maps indicating sample locations.	Click Here	Y
16	Provide a copy of all activity use limitation (AUL) deed restrictions including the map depicting an outline of the AUL area for all AULs located on property within or adjacent to the project limits.		Y
17	Conduct field reconnaissance to verify existing conditions. See Instructions for list of conditions to verify.	Click Here	Y
18	Provide photographic documentation of field conditions and features. See Instructions for list of conditions and features to photograph.	Click Here	Y
	PLAN REQUIREMENTS		
19	Show property lines, plus footprints, ownership, and street addresses of all buildings and parcels adjacent to the project.		Y
20	If the project requires Right-of-Way acquisition (takings, rights-of-entries, temporary/permanent easements, DCR permit, etc.), submit Preliminary Right-of-Way Plans.	Click Here	Y
21	Show all bridges and culverts and label with MassDOT Highway Division BDEPT # (if structure has one). Label the waterway, RR line, street or other feature intersected by the bridge/culvert.		Y
22	Show and label the existing and proposed edge of roadway and limits of grading.		Y
23	Show and label all existing and proposed guardrail.		Y
24	Show and label all walls and fences.		Y
25	Show and label all public shade trees 14" or more at breast height in the project area.	Click Here	Y
26	Show and label all roadway monuments, historical markers, highway bounds, etc., and show future locations if any are proposed to be removed and/or relocated.		Y
27	Show and label all publicly owned parks, recreational areas, and wildlife refuges.	Click Here	Y
28	Show and label any proposed landscape improvements.		Y
29	Show the location of all existing and proposed drainage structures and discharge points.		Y
30	Show all wetland boundaries within 100-ft of the project limits, including Bordering and Isolated Vegetated Wetlands, Bank, Land Under Water, Bordering Land Subject to Flooding and Ordinary High Water (i.e., 1-yr flood).		Y
31	For projects requiring a Section 401 Water Quality Certificate (WQC), complete the 401 WQC Plan Requirements Checklist and update plans to meet its requirements.	Click Here	N/A
32	Show and label all 100-ft wetland buffer zones and Riverfront Areas.		Y
33	Show the location of potential wetland replacement areas.	Click Here	Y
34	Provide details of any proposed ornamental elements, such as street lighting.		N/A

*The Town of Natick has established a Cochituate Rail Trail Advisory Committee. The Committee meets periodically to discuss/address issues related to the CRT. The design has been presented to the CRT Committee at meetings on 8/13/13, 2/12/14 and 4/16/14. All meetings are posted and open to the public.

Instructions and Samples			
PUBLIC COORDINATION		Sample/Links	
1	MassDOT recommends that local boards, commissions, and officials be contacted and provided information about the project to solicit input and comments. Local departments and boards including the Board of Selectmen, the Planning Department, City/Town Engineers, the Water/Fire/Police Department(s) and elected officials (such as the Mayor or Town Manager) are examples of groups with whom coordination should occur.		Back
3	A letter must be sent to the Local Historical Commission and a copy must be sent to the State Historic Preservation Officer and MassDOT's Highway Division Environmental Services Cultural Resources Unit. This action initiates the historic review process and assists in the identification of historic resources.	LHC/THPO Letter Sample	Back
4	Send a letter to the appropriate Tribal Historic Preservation Officer (THPO). The same letter template can be used for the THPO as was used for the LHC. Addresses for the THPOs are as follows: District 5: <div><div>Mashpee Wampanoag Indian Tribal Council Attn: Mr. George Green Jr., THPO 483 Great Neck Road, South P.O. Box 1048 Mashpee, Massachusetts 02649</div><div>Wampanoag Tribe of Gay Head-Aquinnah Bettina Washington, THPO 20 Black Brook Road Aquinnah, MA 02535-9701</div></div> District 1: <div>Ms. Sherry White Tribal Historic Preservation Officer c/o Stockbridge-Munsee Band of the Mohicans P.O. Box 70 Bowler, Wisconsin 54416</div>	LHC/THPO Letter Template	Back
5	For bridge projects which cross navigable waterways, there are several permitting scenarios possible based on the existing bridge crossing condition and the scope of work. They are as follows: 1. STURAA Approval (Federally Aided) - A project may qualify for a STURAA approval by the Federal Highway Administration (FHWA) if it is determined that the waterway is not suitable for navigational purposes and/or interstate commerce. This determination is based on the responses to the navigability survey by the Municipal Harbor Master and in consultation with FHWA. 2. USCG Construction Approval - The USCG may approve construction activities which occur over a navigable waterway without the issuance of a Section 9 Bridge Permit if navigation is unaffected by the project. These activities typically include bridge preservation projects such as deck replacement, minor substructure repair and roadway resurfacing. 3. Section 9 Bridge Permit - A bridge permit is required when a new bridge will be constructed or major modifications of an existing bridge are proposed which will impact the navigability of the regulated waterway.	Definition of Navigable Waters of the US Navigability Survey Form	Back
6	Determine if the project occurs within or adjacent to a Wild and Scenic River. Wild and Scenic River Segments are identified here: http://www.rivers.gov/wildriverslist.html	Sample Wild and Scenic River Letter	Back
REGULATORY FRAMEWORK AND REQUIRED DELIVERABLES			
7	Complete and submit an editable (MS Word format .doc or other), electronic Categorical Exclusion (CE) checklist for all projects, regardless of the anticipated funding source. The Programmatic Agreement for the Approval of CEs, instructions for completion, and sample CEs can be found here: http://www.mhd.state.ma.us/default.asp?pgid=content/enviro/envpublications01&sid=about	CE Form	Back
8	The Massachusetts Environmental Policy Act (MEPA) Office conducts review of environmental impacts of State Agency Actions, as well as other development projects in the state of Massachusetts. Review the MEPA thresholds found in 301 CMR 11.03 to determine if the project will require MEPA review. In accordance with the Chapter 233, Section 13 of the Acts of 2008, also known as the 2008 Transportation Bond Bill, bridge projects over water, railroad right-of-way, public or private way, other vehicular facility or other area and their approaches are exempt from review under the Massachusetts Environmental Policy Act Regulations (301 CMR 11.00), the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00), and the Chapter 91 Waterways Regulations (310 CMR 9.00) provided there will be no increase in capacity or a significant change to the alignment. Former DCR bridges are not eligible for the bridge exemption.	MEPA Review Thresholds	Back
9	Electronically complete and submit (as an excel file) the 25% Design portion of the Water Quality Data Form to determine the impairment status of waterbodies receiving highway runoff. To ensure that the most recent version of the form is completed, use the attached link to the Water Quality Data Form on Environmental Services' website.	Water Quality Data Form	Back
PROJECT CONTEXT/SETTING AND FIELD RECONNAISSANCE			
11	Note that this information is used to assess the project's impacts on properties subject to regulation or protection under Section 4(f) of the DOT Act and Article 97 (XCVII) of the State Constitution. Publicly owned open space parcels and ownership of the parcels are available as a MassGIS layer. This layer can be downloaded or viewed in OLIVER (see Instruction #12). Parcels funded by Land and Water Conservation Funds should also be identified. Identifying conservation restrictions, agricultural preservation restrictions, and other legal interests and the holder of such interests is recommended. This information is often available through the town planning office. Where possible, include open space and interest overlays on design plans and preliminary ROW plans.	FHWA Section 4(f) Policy Paper Massachusetts Constitution List of Land and Water Conservation Fund Grants	Back
12	Sensitive environmental resource data are available from MassGIS (using ArcView or using MassGIS's online view, OLIVER). Stormwater "critical areas" are defined as: Cold water fisheries, Zone IIs, public swimming beaches, shellfish growing areas and drinking water reservoir watersheds. Note that coordination with NHESP is no longer not required by the Designer. MassDOT - Highway Environmental Services coordinate directly with NHESP when Priority or Estimated Habit is identified within the project area. Please include locus maps showing the location of each sensitive environmental resource area in the project area.	MassGIS OLIVER - Interactive Online Mapping Application List of Wild and Scenic Rivers High Quality Streams in MA	Back
13	The MACRIS database is a valuable tool for identifying historical resources. Be aware that resources listed in the MACRIS database are not necessarily listed on the State or National Register of Historic Places. MassDOT - Highway Division's Cultural Resource Unit (CRU) will assess the historical significance of elements in the project area and coordinating with the Massachusetts Historical Commission.	MACRIS database	Back
14	In order to identify all existing or proposed material within the project limits which may require handling as hazardous waste or be subject to other environmental handling regulations upon disposal, designer must conduct a site visit to determine the presence of these materials. These materials include suspected treated timber, asbestos, lead-based paint, mercury switches, PCB-containing materials, etc.		Back

15	Available relevant sampling results include the results of all publicly available soil, sediment, and groundwater sampling conducted within the project limits; fish advisory information within the project limits; the highest known depth to groundwater; the maximum anticipated project excavation depth; the most recent groundwater sampling results for release sites in proximity to the project limits that do not have a Class A1, A2, or B1 RAO; and sediment sampling results upstream of the project limits. Use the MassDEP online site search list to find reported Release Sites. Limited oil and hazardous material data is also available as a MassGIS data layer.	MassDEP Online Site Search List EPA Superfund Sites	Back
17	Conduct field reconnaissance to verify existing conditions: -delineate, document and survey regulated wetland resource area boundaries (resources shall be delineated by an experienced wetland scientist); -identify and survey the locations of existing drainage outfalls and stormwater Best Management Practices (BMPs); -locate and survey monitoring wells; -locate and measure existing public shade trees; and -document presence of stonewalls, historic plaques and other potentially historic structures.		Back
18	Provide photographic documentation of field conditions and features: -general project setting; -cross culverts; -proposed wetland impact areas and proposed replication areas or flood compensation storage areas; -riverbanks in all 4 quadrants and upstream/downstream views (for bridge projects over a waterway); -historic properties/structures/elements; and -other features of environmental interest.		Back
PLAN REQUIREMENTS			
	Follow MassDOT's Project Development and Design Guide for all projects.	MassDOT's Project Development and Design Guide	
20	Preliminary Right-of-Way (PROW) plans are needed to assess the project's impact on private property in light of the National Environmental Policy Act and properties protected under Section 4(f) of the DOT Act and Article 97 of the State Constitution.		Back
25	Removal of public shade trees 14" or more at breast height can trigger a MEPA threshold. Removal of 5 or more public shade trees will require the filing of an Environmental Notification Form (ENF). See MEPA Review Thresholds for more information.	MEPA Review Thresholds	Back
27	Include a label identifying the board, department, commission, or agency having jurisdiction of any publicly owned lands in the project area.		Back
31	Water Quality Certificate (WQC) requirements are explained in 314 CMR 9.00. If a WQC is required, complete the WQC Application Review Checklist. Ensure 25% Highway Design or Bridge Design Plans show all of the required information listed on the WQC Plan Requirements Checklist. Attach the locus and environmental constraints map. Justification must be provided if an item listed on the checklist cannot be shown on the design plans.	314 CMR 9.00 WQC Application Review Checklist Sample WQC Applications	Back
33	Wetland replacement areas must meet MassDOT's guidelines.	MassDOT Wetland Replacement Guidelines	Back

Correspondence



December 27, 2013

Natick Historical Commission
13 East Central Street
Natick, MA 01760

Attn.: Historical Commission Chairperson

Re: **Cochituate Rail Trail Project**
Project File No. TBD
Section 106 Review

Dear Historical Commission Chairperson:

The Massachusetts Department of Transportation, Highway Division (MassDOT Highway Division) and the Town of Natick, acting through the Office of Community Development, proposes to construct a 12 foot wide paved shared use path along a 2.4-mile segment of the CSX Saxonville Branch ROW. The Natick section of the Cochituate Rail Trail (CRT) project begins at Route 30 and the Framingham line, runs south adjacent to the Cochituate State Park and the western shore of Lake Cochituate, crosses Route 9 on a new bridge structure, runs south through a residential area, and connects to Natick Center. A USGS locus plan for the CRT project is enclosed. It is anticipated that this project will be supported in part with federal funds and will require review under Section 106 of the National Historic Preservation Act of 1966 as amended (36 CFR 800). The enclosed project information is provided for the Natick Historical Commission's review in compliance with the regulations governing Section 106.

MassDOT and the Town of Natick request that the Natick Historical Commission review the enclosed materials at their earliest convenience, and solicit any comments that the Commission wishes to make regarding this project. Written comments should be submitted to:

Patricia A. Leavenworth, P.E.
Chief Engineer
MassDOT Highway Division
10 Park Plaza
Boston, MA 02116

Attn: Jeffry Shrimpton

BETA GROUP, INC.

6 Blackstone Valley Place, Suite 101, Lincoln, RI 02865
P: 401.333.2382 | F: 401.333.9225 | W: www.BETA-Inc.com

If you have any questions concerning the enclosed project information, please feel free to contact me. If you have any questions concerning the Section 106 process, please feel free to contact Jeffrey Shrimpton (617-973-7497) of MassDOT's Cultural Resources Unit.

Very truly yours,
BETA Group, Inc.

A handwritten signature in dark ink, appearing to read "William P. McGrath". The signature is fluid and cursive, with the first name "William" and last name "McGrath" clearly distinguishable.

William P. McGrath, P.E.
Associate

atts: scope of work, locus plan

xcs: B. Simon, SHPO, with atts.
J. Shrimpton, MassDOT Highway Division, with atts.

Cochituate Rail Trail Project

Town of Natick, Massachusetts

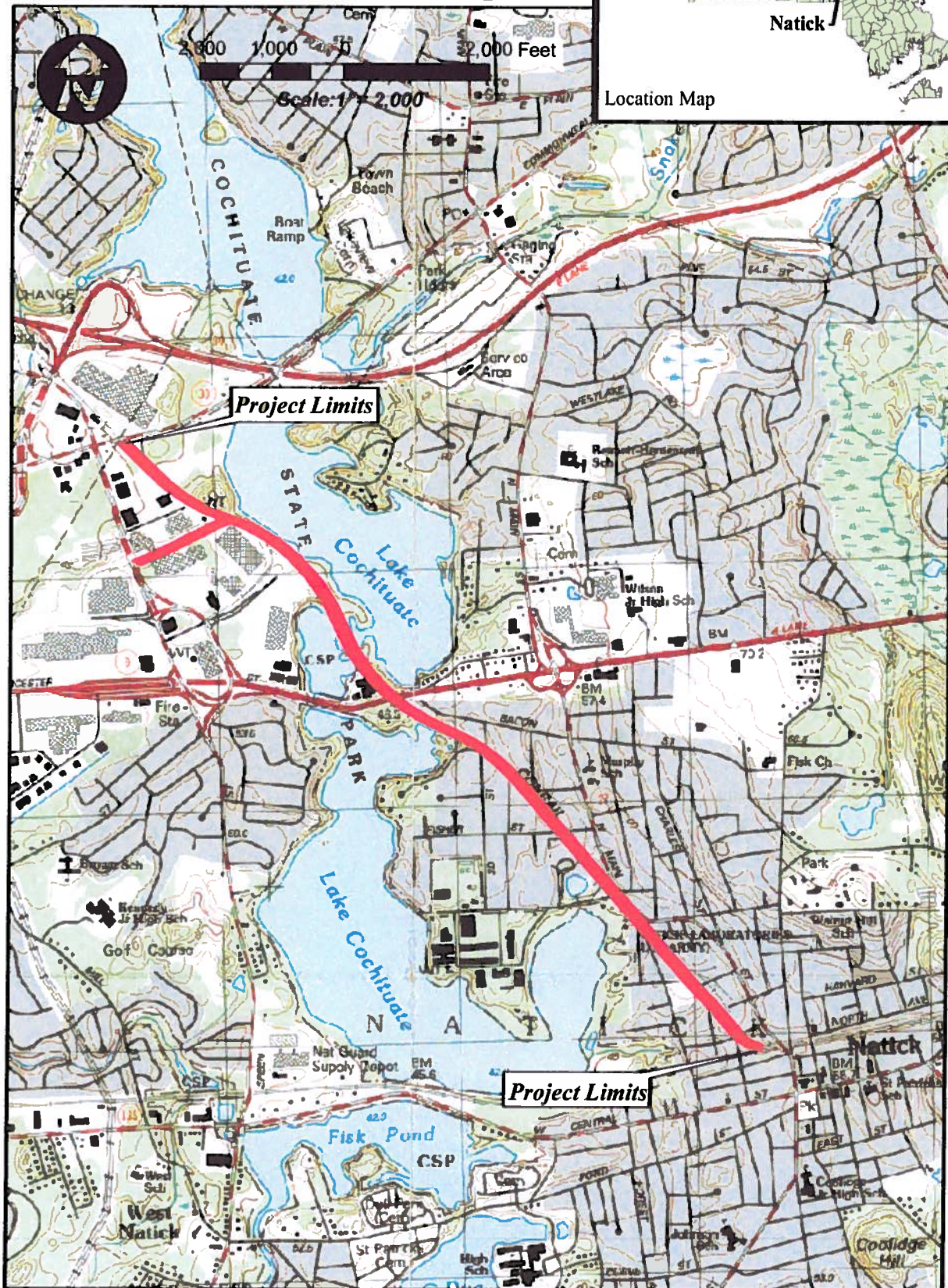
The Cochituate Rail Trail (CRT) Project is located in Natick, Massachusetts and proposed as a shared use trail. The general project location can be seen in Figure No. 1. The Natick section of the CRT starts at Route 30 and the Framingham line, continues south along Cochituate State Park and the western shore of Lake Cochituate, crosses Route 9 on a new bridge structure, runs south through a residential area, and connects to Natick Center (a distance of approximately 2.4 miles). A continuation of the CRT extends northerly through Framingham from Route 30 to School Street. The portion of the CRT in Framingham is a separate project with the completion of construction expected in 2014. The overall length of the CRT is approximately four miles.

The primary objectives of this project are to construct a 12-foot wide asphalt trail surface with 2 foot wide shoulders along each side of the trail. Due to structural or environmental constraints in some areas, the trail surface will be reduced to 10 feet. The CRT project also proposes construction of a low retaining wall system where the trail corridor crosses over the Lake Cochituate stone arch culvert and replacement of the existing railroad bridge over Route 9. A grade separated crossing will be provided at the Route 30 intersection to promote safety at this high volume crossing. The Natick CRT will be designed to minimize environmental impacts but the project will require the filing of environmental permit applications and documents.

In addition to the recreational benefits, the CRT will provide a connection to the Natick Center Commuter Rail Station allowing another means of access to various businesses, residences and recreational facilities. A spur from the CRT will provide access to the Natick Mall, a major regional retail outlet. The project will incorporate scenic overlooks, interpretive signing and historic markers to highlight areas of cultural and historic interest along the corridor.

Cochituate Rail Trail Project
Natick, MA

Figure No. 1 - Project Location Map





MassWildlife

Commonwealth of Massachusetts

Division of Fisheries & Wildlife

Wayne F. MacCallum, *Director*

November 19, 2009

John Hendrickson
Fay, Spofford & Thorndike
5 Burlington Woods
Burlington MA 01803

RE: Project Location: Rail Trail, CSX Saxonville Branch right-of-way
Town: NATICK
NHESP Tracking No.: 09-27465

To Whom It May Concern:

Thank you for contacting the Natural Heritage and Endangered Species Program ("NHESP") of the MA Division of Fisheries & Wildlife for information regarding state-listed rare species in the vicinity of the above referenced site. Based on the information provided, this project site, or a portion thereof, is located **within** Priority Habitat 200 (PH 200) and Estimated Habitat 95 (EH 95) as indicated in the *Massachusetts Natural Heritage Atlas* (13th Edition). Our database indicates that the following state-listed rare species have been found in the vicinity of the site:

<u>Scientific name</u>	<u>Common Name</u>	<u>Taxonomic Group</u>	<u>State Status</u>
<i>Ligumia nasuta</i>	Eastern Pondmussel	Mussel	Special Concern

The species listed above is protected under the Massachusetts Endangered Species Act (MESA) (M.G.L. c. 131A) and its implementing regulations (321 CMR 10.00). State-listed wildlife are also protected under the state's Wetlands Protection Act (WPA) (M.G.L. c. 131, s. 40) and its implementing regulations (310 CMR 10.00). Fact sheets for most state-listed rare species can be found on our website (www.nhesp.org).

Please note that projects and activities located within Priority and/or Estimated Habitat must be reviewed by the NHESP for compliance with the state-listed rare species protection provisions of MESA (321 CMR 10.00) and/or the WPA (310 CMR 10.00).

Wetlands Protection Act (WPA)

If the project site is within Estimated Habitat and a Notice of Intent (NOI) is required, then a copy of the NOI must be submitted to the NHESP so that it is received at the same time as the local conservation commission. If the NHESP determines that the proposed project will adversely affect the actual Resource Area habitat of state-protected wildlife, then the proposed project may not be permitted (310 CMR 10.37, 10.58(4)(b) & 10.59). In such a case, the project proponent may request a consultation with the NHESP to discuss potential project design modifications that would avoid adverse effects to rare wildlife habitat.

A streamlined joint MESA/WPA review process is available. When filing a Notice of Intent (NOI), the applicant may file concurrently under the MESA on the same NOI form and qualify for a 30-day streamlined joint review. For a copy of the revised NOI form, please visit the MA Department of Environmental Protection's website: <http://www.mass.gov/dep/water/approvals/wpaform3.doc>.
www.masswildlife.org

Division of Fisheries and Wildlife

Field Headquarters, North Drive, Westborough, MA 01581 (508) 389-6300 Fax (508) 389-7891

An Agency of the Department of Fish and Game

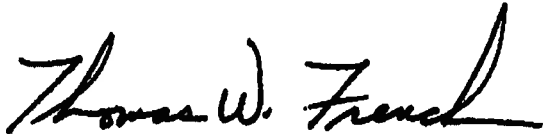
MA Endangered Species Act (MESA)

If the proposed project is located within Priority Habitat and is not exempt from review (see 321 CMR 10.14), then project plans, a fee, and other required materials must be sent to NHESP Regulatory Review to determine whether a probable "take" under the MA Endangered Species Act would occur (321 CMR 10.18). Please note that all proposed and anticipated development must be disclosed, as MESA does not allow project segmentation (321 CMR 10.16). For a MESA filing checklist and additional information please see our website: www.nhesp.org ("Regulatory Review" tab).

We recommend that rare species habitat concerns be addressed during the project design phase prior to submission of a formal MESA filing, as avoidance and minimization of impacts to rare species and their habitats is likely to expedite endangered species regulatory review.

This evaluation is based on the most recent information available in the Natural Heritage database, which is constantly being expanded and updated through ongoing research and inventory. If you have any questions regarding this letter please contact Emily Holt, Endangered Species Review Assistant, at (508) 389-6361.

Sincerely,

A handwritten signature in black ink that reads "Thomas W. French". The signature is written in a cursive, flowing style with a large, prominent 'T' and 'F'.

Thomas W. French, Ph.D.
Assistant Director



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Si

MASSACHUSETTS

Massachusetts has approximately 8,229 miles of river, of which 147.1 miles are designated as wild & scenic—less than 2% of the state's river miles.

Sudbury, Assabet, Concord Rivers

Taunton River

Westfield River

Choose a State	<input type="button" value="Go"/>
Choose a River	<input type="button" value="Go"/>

Still, white winters, subtle shades of spring green, lazy summer days, autumns lit with color, rivers in the Northeast showcase the seasons.

[NATIONWIDE RIVERS INVENTORY](#) | [KID'S SITE](#) | [CONTACT US](#) | [PRIVACY NOTICE](#) | [Q & A SEARCH ENGINE](#) | [SITE MAP](#)

Designated Rivers

[About WSR Act](#)

National System

[WSR Table](#)

River Management

[Council](#)

Resources

[Q & A Search](#)

CE Checklist

CATEGORICAL EXCLUSION (CE) DETERMINATION CHECKLIST

Section 1 Project Information

City/Town	<u>Natick</u>	MassDOT Highway Project Number	<u>TBD</u>
MassDOT Highway District	<u>3</u>	Federal-Aid Number	_____
Route or Road Name	<u>N/A</u>	Project Manager or Preparer	<u>BETA</u>

Section 2 Project Description and Purpose

Briefly describe the project, including purpose, location, and limits. If necessary, additional sheets may be attached to the checklist.

See Attached.

Starting with **Section 3**, answer the questions by checking Yes or No.

After each of the following sections there will be instructions that direct the preparer to either stop completing the checklist or continue to the next section of the checklist. All supporting documentation should be attached to the checklist. The preparer should refer to MassDOT Highway Division's (formerly MassHighway's) Categorical Exclusion Checklist Detailed Instructions for further information and guidance on completing this checklist.

Section 3 Automatic Categorical Exclusion

YES NO

- | | | |
|------------------------------------|--------------------------|-------------------------------------|
| 1. Is the Project an Automatic CE? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|------------------------------------|--------------------------|-------------------------------------|

If Yes, the remainder of checklist does not have to be completed and the checklist should be included in the project file. If No, the preparer should complete **Section 4** below. A list of projects that qualify as an Automatic CE is provided in the Categorical Exclusion Detailed Instructions.

Section 4 Categorical Exclusion

- | | | |
|---|--------------------------|-------------------------------------|
| 2. Does the project induce significant impacts to planned growth or land use for the area? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does the project require the relocation of significant numbers of people? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Does the project have a significant impact on any natural, cultural, recreational, historic or other resource? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

	Yes	No
5. Does the project involve significant air, noise or water quality impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Does the project have a significant impact on travel patterns?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Does the project involve substantial controversy on environmental grounds?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Does the project have significant impact on properties protected by Section 4(f) of the DOT Act, or Section 106 of the National Historic Preservation Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is the project inconsistent with any federal or state requirement or administrative determination relating to the environmental aspects of the action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Is the project inconsistent with the Massachusetts Coastal Zone Management Plan as determined by the Massachusetts Office of Coastal Zone Management?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answer for any of the questions within **Section 4** is Yes then the project does not qualify as a CE and an EA or EIS is required. If the answer for all of the questions within Section 4 is No, the preparer should complete **Section 5** below.

Section 5 Programmatic Categorical Exclusion

11. Does the project involve the permanent acquisition of more than minor amounts of right-of-way?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. If the action involves the sale, transfer, or lease of state-owned land, does the intended future use of such land result in any substantial environmental impact?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Does the project have a determination of adverse effect by the State Historic Preservation Officer?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Does the project have a disproportionately high and adverse impact on minority or low-income populations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Is the project a Type I action requiring a noise assessment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Does the project require the use of properties protected by Section 4(f) of the DOT Act necessitating the preparation of an Individual Section 4(f) Evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Does the project require the use of properties protected by Section 6(f) of the Land and Water Conservation Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

		Yes	No
18.	Does the project require an Army Corps of Engineers Individual Section 404 permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19.	Does the project require a U.S. Coast Guard construction permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20.	Within the project area, does the project result in an average of greater than one-half acre of permanent wetland impact per linear mile?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21.	Does the project affect federally listed threatened or endangered species or critical habitat?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22.	Does the project adversely affect a regulatory floodway or the base floodplain (100-year flood) elevations of a watercourse or waterbody?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23.	Does the project involve construction in, across, or adjacent to a river designated as a component in the Natural System of Wild and Scenic Rivers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24.	Does the project affect prime or unique farmland?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25.	Does the project involve work within or adjacent to a known Superfund site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26.	Does the action involve any changes in access control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27.	<p>If the project involves the use of a temporary road, detour or ramp closure, will any of the following conditions occur?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Provisions have not been made for access by local traffic; <input type="checkbox"/> Through-traffic dependent business will be adversely affected; <input type="checkbox"/> The detour or ramp closure will interfere with a local special event or festival; <input type="checkbox"/> The temporary road, detour or ramp closure will substantially change the environmental consequences of the action; <input type="checkbox"/> There is a substantial controversy associated with the temporary road, detour, or ramp closure. 	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If the answers to all questions in **Section 5** are “No” then the project qualifies as a Programmatic CE. The checklist and all supporting information should be submitted to the MassDOT Highway Division Project Manager.

If the answer for any of the questions in **Section 5** is Yes then the project does not qualify as a Programmatic CE and an Individual CE approval from FHWA is required. The preparer should attach to this checklist all supporting information to clearly establish that there is little or no potential for significant impact. The Individual CE, and supporting information, will be submitted to the FHWA Division Office for approval.

I concur with this categorical exclusion determination:

Director of Environmental Services
(or designee)

Date

Cochituate Rail Trail Project
NATICK, MASSACHUSETTS

PROJECT DESCRIPTION

The Massachusetts Department of Transportation Highway Division (MassDOT) and the Town of Natick, acting through the Office of Community Development, proposes to construct a 12 foot wide paved shared use trail along a 2.4-mile segment of the CSX Saxonville Branch ROW. The Natick section of the Cochituate Rail Trail (CRT) begins at Route 30 and the Framingham line, runs south adjacent to Cochituate State Park and the western shore of Lake Cochituate, crosses Route 9 on a new bridge structure, runs south through a residential area, and connects to Natick Center. Views of Lake Cochituate, historic bridges, masonry, and rail whistle stops are among some of the scenic views and points of interest that can be seen along the ROW.

Purpose and Need: The primary objectives of this project are to construct a 12-foot wide asphalt trail surface with 2 foot wide shoulders along each side of the trail. Due to structural or environmental constraints in some areas, the trail surface will be reduced to 10 feet. The CRT project also proposes construction of a low retaining wall system where the trail corridor crosses over the Lake Cochituate stone arch culvert and replacement of the existing railroad bridge over Route 9 with a new bridge structure. A grade separated crossing will be provided at the Route 30 intersection to promote safety at this high volume crossing. The Natick CRT will be designed to minimize environmental impacts but the project will require the filing of a Notice of Intent.

In addition to the recreational benefits, the CRT will provide a connection to the Natick Center Commuter Rail Station allowing another means of access to various businesses, residences and recreational facilities. A spur from the CRT will provide access to the Natick Mall, a major regional retail outlet. The project will incorporate scenic overlooks, interpretive signing and historic markers to highlight areas of cultural and historic interest along the corridor.

Existing Conditions: The project corridor is currently owned by CSX. Freight service was suspended along the corridor in 2006 and in the summer of 2007, the tracks and ties were salvaged by CSX. The Town of Natick is currently negotiating a trail use agreement with CSX for the railroad right-of-way.

The land use along the CRT within the project area includes residential, commercial and recreational. A portion of the CRT is adjacent to Cochituate State Park and the western shore of Lake Cochituate. The CRT will provide access to the Natick Center Commuter Rail Station and the Natick Mall. Other direct abutters include the AmVets property, Camp Arrowhead, and "the Navy Yard", a public recreational field. The CRT will include several at-grade road crossings; at Fisher Street, Kansas Street and Lake Street.

Proposed Improvements: The overall length of the CRT is approximately 4 miles. The following proposed improvements will be made to accommodate the CRT:

- Provide 12 foot wide asphalt trail surface, with 2 foot wide graded shoulders within the existing rail ROW.
- The trail surface will be reduced to 10 feet in some areas with constraints.
- Construction of a low retaining wall system where the trail corridor crosses over the Lake Cochituate stone arch culvert.
- Replacement of the existing railroad bridge over Route 9 with a single span structure providing a 16'-6" vertical clearance.
- Provide a grade separated crossing at the Route 30 intersection.
- Provide scenic overlooks, interpretive signing and historic markers to highlight areas of cultural and historic interest along the corridor.
- Fencing/railings will be provided at certain locations to protect users from potential hazards.

Environmental Impacts and Mitigation Measures:

Wetland and Water Resources

There are wetland resource areas within the project area along the proposed rail trail. These wetland resource areas include Bordering Vegetated Wetlands (BVW) and Isolated Vegetated Wetlands (IVW), Bank associated with Intermittent Streams, Land Under Waterbodies (LUW) associated with Lake Cochituate, Bordering Land Subject to Flooding (BLSF), otherwise known as the 100-year floodplain, and Potential Vernal Pools. Activity in these areas will be limited to work within the buffer zone of BVW. No impacts to existing banks are anticipated. There are no proposed wetland replacement areas within the CRT. There are storm water "critical areas" located within the project area including Outstanding Resource Waters (ORWs) associated with potentially certifiable vernal pools as well as a DEP Wellhead Protection Area (WPA). The land located east of Lake Cochituate is within an approved Zone II WPA for the Town of Natick Springvale Well Field. The CRT corridor is within the WPA from the Lake Cochituate stone arch culvert to Kansas Street.

Based on the Massachusetts Natural Heritage Atlas and related MassGIS data layers, there are Priority Habitat of Rare Species and Estimated Habitats or Rare Wildlife within or in close proximity to the project area. The area is associated with Lake Cochituate and adjacent wetland systems. According to the Massachusetts Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program, the listed species associated with this area is the Eastern Pondmussel (*Ligumia nasuta*), a species of special concern. There are no anticipated impacts to these areas during the proposed improvements.

The following measures have been taken to avoid disturbances. The majority of disturbances will be temporary during construction and the site will be restored upon completion of proposed activities.

- **Soil Erosion and Sedimentation Controls**
Soil erosion and sedimentation control issues have been considered in the design and construction planning process of the proposed project. The soil erosion and sedimentation control measures will be installed prior to the initiation of construction activities and maintained throughout construction. Straw wattles are proposed at the limits of disturbance along the shared use trail. Once established, these measures will be monitored daily until construction activities are complete. The straw wattle line will serve as the strict limits of disturbance for the project. No alterations, including vegetative clearing or surface disturbance, will occur beyond this straw wattle line. The limits of clearing, grading, and disturbance will be kept to a minimum within the proposed area of construction. All areas outside of these limits, as depicted on the project site plans, will be totally undisturbed, to remain in a completely natural condition. After a significant rainstorm, all sedimentation control measures will be inspected and replaced if failed.
- **Lay Down Areas and Disturbance Limits**
Lay down/staging areas will utilize areas outside of the regulated areas, with the use of appropriate erosion and sedimentation controls. No activities including lay down areas will extend beyond this line adjacent to regulated areas.

Parkland

The project is located adjacent to Cochituate State Park which is owned by the Massachusetts Department of Conservation and Recreation (DCR). There are no anticipated impacts to the Park during construction of the CRT. Initial discussions with DCR have taken place to identify particular areas of concern associated with the State Park.

Permitting Status: A Notice of Intent will be filed with the local conservation commission and the regional DEP office for work within the regulated buffer of the wetlands located adjacent to Lake Cochituate and elsewhere along the CRT corridor. The Order of Conditions will become part of the contract documents. Additionally, A Notice of Intent will be filed to the U.S. Environmental Protection Agency for a NPDES Construction Management General Permit prior to the start of construction. The contractor will be required to prepare a Stormwater Pollution Prevention Plan and adhere to the plan during construction.

Cochituate Rail Trail Project
NATICK, MASSACHUSETTS

CHECKLIST RESPONSES

1. No. The project does not qualify as an automatic Categorical Exclusion, according to Regulation 23 CFR 771.117(c) because the scope of the project is beyond the activities listed in the regulations.

Source: BETA Group, Inc.

2. No. This project will not have significant impacts to planned growth or land use as described in Regulation 23 CFR 771.117(a). There will be no significant impacts to adjacent properties. Minor grading may be required on certain properties, but will not affect the use of the properties.

Source: BETA Group, Inc.

3. No. The project does not require the relocation of any people or taking of any buildings.

Source: BETA Group, Inc.

4. No. This project will not result in any significant impact on any natural, cultural, recreational, historic, or other resource. The project will create a new recreational shared use trail with new connections to existing recreational resources.

Source: BETA Group, Inc.

Source: MassDOT Cultural Resources Unit.

5. No. The proposed project type does not have any significant impact to air, noise or water quality levels. The project involves construction of a 12 foot wide paved shared use trail using the existing rail corridor. There may be temporary impacts from dust caused by construction operations. Water or calcium chloride will be used on exposed soils as necessary to minimize impacts. A temporary increase in noise levels may be caused by the operation of heavy equipment during construction. There are no known sensitive receptors adjacent to the project limits. Noise levels will return to normal upon completion of the project. It is not anticipated that the project will violate the Massachusetts Water Quality Standards.

Source: BETA Group, Inc.

6. No. The project will have no significant impact on travel patterns. The project does not involve significant construction on public roadways. All roadways will remain open during construction. The project will provide an alternate means for accessing recreational areas, as well as some businesses and retail uses.

Source: BETA Group, Inc.

7. No. The department has received no oral or written documents regarding substantial controversy on environmental grounds.

Source: MassDOT

8. No. This project will not result in any significant impact on properties protected by Section 4(f) of the DOT Act or Section 106 of the National Historic Preservation Act.

Source: MassDOT Cultural Resources Unit

Source: BETA Group, Inc.

9. No. This project is consistent with Federal, State, and Local Laws, requirements and administrative determinations relating to environmental aspects.

Source: BETA Group, Inc.

10. No. The project limits are outside of the Massachusetts designated coastal zone and therefore MCZM has no jurisdiction over this project.

Source: BETA Group, Inc.
Massachusetts Coastal Zone Management Boundary Map

11. No. The project does not involve acquisition of more than minor amounts any right-of-way.

Source: BETA Group, Inc.
Preliminary Right of Way Plans

12. No. The project does not involve the sale, transfer or lease of state owned land.

Source: BETA Group, Inc.

13. No. This project does not have a determination of adverse effect by the Massachusetts Historic Preservation Officer.

Source: MA Historical Commission

14. No. The project does not have a disproportionately high and adverse impact on minority or low-income populations.

Source: MassGIS Environmental Justice Population Data Layer

15. No. The project is exempt from the Type I action requirements prompting the need for a noise assessment.

Source: BETA Group, Inc.

16. No. The project does not require the preparation of an Individual Section 4(f) Evaluation.

Source: BETA Group, Inc.

17. No. The project does not require the use of properties protected by Section 6(f) of the Land and Water Conservation Act. There are no properties funded with Land and Water Conservation Funds within the project area.

Source: BETA Group, Inc.
United States Department of the Interior, National Park Service Land & Water Conservation Fund, Detailed Listing of Grants Grouped by County

18. No. The project does not involve activities in federal wetland resource areas requiring an Individual Army Corps Section 404 Permit. There are no federal wetland resource areas in or adjacent to the project area.

Source: BETA Group, Inc.

19. No. The project does not require a U.S. Coast Guard construction permit. There are no navigable water bodies within the project limits.

Source: BETA Group, Inc.

20. No. The project does not result in an average of greater than one-half an acre of permanent wetland impact per linear mile. There are wetland resource areas within the limits of the project. All activity will be limited to work within the buffer zone of BVW. Appropriate mitigation will be undertaken.

Source: BETA Group, Inc.

21. No. The project does not affect federally listed threatened or endangered species or critical habitat. According to the Massachusetts Natural Heritage and Endangered Species Program, there are rare species in the vicinity of the project site associated with Lake Cochituate and the surrounding wetlands. These areas will not be disturbed during construction of the shared use trail. A copy of correspondence from the MA Division of Fisheries and Wildlife dated November 19, 2009 has been included with this submission. The letter was received in response to a Conceptual Design Study prepared by Fay, Spofford & Thorndike in April 2010.

Source: BETA Group, Inc.

Source: Massachusetts Natural Heritage and Endangered Species Program

22. No. A portion of the proposed path will be constructed within the 100 year floodplain of Lake Cochituate where the proposed path will pass between two areas of Lake Cochituate. This area of the 100 year floodplain has no base elevations determined. There will be an insignificant disturbance to the Bordering Land Subject to Flooding (BLSF) associated with the 100 year floodplain in this area. The project will result in a loss of flood storage; however, it should not cause substantial increase to the horizontal extent and level of flood waters during peak flows as explained in the attached Notice of Intent.

Source: BETA Group, Inc.,

Source: FEMA

23. No. The project does not involve construction in, across, or adjacent to a river designated as a component in the Natural System of Wild and Scenic Rivers.

Source: BETA Group, Inc.

24. No. The project does not affect prime or unique farmland. There is no identified farmland within the project limits.

Source: BETA Group, Inc.

25. No. The project does not involve work within or adjacent to a known Superfund Site. The Natick Laboratory Army Research, Development and Engineering Center (Natick Laboratory) is located on Kansas Street approximately 1,500 feet from the proposed project. The Natick Laboratory was added to the National Priorities List (NPL) in 1994. Cleanup strategies for the soil and groundwater contamination have been implemented and most of the site has been issued No Further Action Records of Decision (ROD). Once groundwater containment pilot studies are completed for the remaining areas they will be added to the ROD. The EPA has determined that the Natick Laboratory site poses no immediate threat to human health or the environment while studies leading to site cleanup are being planned and conducted.

Source: BETA Group, Inc.

Source: U.S. Environmental Protection Agency

26. No. The project does not involve any changes in access control.

Source: BETA Group, Inc.

27. No. The project does not involve the use of a temporary road, detour or ramp closure.

Source: BETA Group, Inc.

Cochituate Rail Trail Project
NATICK, MASSACHUSETTS

MEPA REGULATIONS
REVIEW THRESHOLDS DOCUMENTATION

As part of the Early Environmental Coordination, documentation of the review thresholds of the MEPA Regulations is required (Item 8 of the 25% Design Submission Checklist).

- (1) Land – The project will alter less than 25 acres of land and will not create five or more acres of impervious area. Therefore, this project does not trigger any review thresholds for land. The project will result in the creation of approximately 3.7 acres of new impervious area.
- (2) State-listed Species under M.G.L. c. 131A. – According to the Massachusetts Natural Heritage and Endangered Species Program, there are rare species in the vicinity of the project site associated with Lake Cochituate and the surrounding wetlands. These areas will not be disturbed during construction of the shared use trail. A copy of correspondence from the MA Division of Fisheries and Wildlife dated November 19, 2009 has been included with this submission. The letter was received in response to a Conceptual Design Study prepared by Fay, Spofford & Thorndike in April 2010. Therefore, this project does not trigger any review thresholds for State-listed Species.
- (3) Wetlands, Waterways and Tidelands – There are no tidelands within the project area. There are wetlands and waterways within the project area but no alterations or disturbance will take place. Activity will be limited to work within the buffer zone of BVW. Therefore, this project does not trigger any review thresholds for wetlands, waterways and tidelands.
- (4) Water – The project scope does not include new or replacement water mains, new or expansion of drinking water treatment plants, or withdrawal from water sources. Therefore, this project does not trigger any review thresholds for water.
- (5) Wastewater – The project scope does not include new or replacement sewer mains, new or expansion of wastewater treatment plants, or a new wastewater discharge. Therefore, this project does not trigger any review thresholds for wastewater.
- (6) Transportation – The project scope does not include any work at an airport or a rail line. The project will not alter the terrain located ten or more feet from the existing roadway for one-half or more miles or cut five or more living public shade trees. Existing stone walls within the project area will not be impacted by the project scope. Therefore, the project does not trigger any review thresholds for transportation.
- (7) Energy – The project scope does not include work on electric generating facilities or construction of one or more miles of electric transmission lines. Therefore, the project does not trigger any review thresholds for energy.
- (8) Air – The project scope does not include the construction or modification of major station source with federal potential emissions. Therefore, the project does not trigger any review thresholds for air.
- (9) Solid and Hazardous Waste – The project scope does not include construction or modifying a facility for the storage, recycling, treatment or disposal of solid and/or hazardous waste. Therefore, the project does not trigger any review thresholds for solid and hazardous waste.
- (10) Historical and Archaeological Resources – The project scope does not include demolition of any exterior part of any Historic Structure or destruction of any part of any Archaeological Site. Therefore, the project does not trigger any review thresholds for historical and archaeological resources.
- (11) Areas of Critical Environmental Concern – There are no Areas of Critical Environmental Concern within the project area. Therefore, the project does not trigger any review thresholds for Areas of Critical Environmental Concern.
- (12) Regulations – The project scope does not include promulgation of new or revised regulations. Therefore, the project does not trigger any review thresholds for regulations.

**United States Department of the Interior
National Park Service
Land & Water Conservation Fund**

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Grant ID & Element	Type	Grant Element Title	Grant Sponsor	Amount	Status	Date Approved	Exp. Date	Cong. District
MIDDLESEX								
2 - XXX	D	HOPKINTON STATE PARK	DEPT. OF NATURAL RESOURCES	\$21,950.00	C	6/24/1966	6/30/1969	0
19 - XXX	D	HOPKINTON STATE PARK	DEPT. OF NATURAL RESOURCES	\$334,214.61	C	6/10/1968	6/1/1972	0
20 - XXX	A	TOWLE PROPERTY	TOWN OF CARLISLE	\$84,270.00	C	6/24/1968	5/27/1970	5
28 - XXX	D	BEAVER BROOK RESERVATION	METROPOLITAN DIST. COMM.	\$148,136.63	C	6/28/1968	11/1/1970	0
29 - XXX	A	MCLEAN FARM	BELMONT CONSERVATION COMM.	\$277,900.00	C	6/25/1968	6/1/1970	8
45 - XXX	A	MT. MISERY ACQUISITION	TOWN OF LINCOLN	\$873,650.00	C	4/30/1969	3/31/1972	7
47 - XXX	A	DI PIETRO ACQUISITION	DEPT. OF NATURAL RESOURCES	\$17,000.00	C	6/30/1969	1/1/1970	1
49 - XXX	A	COLD SPRINGS LAND ACQUISITION	CITY OF NEWTON	\$53,670.00	C	8/26/1969	1/1/1972	4
51 - XXX	A	FISKE-HALL	DEPT. OF NATURAL RESOURCES	\$322,500.00	C	12/11/1969	1/1/1971	7
61 - XXX	A	OAK HILL ACQUISITION	TOWN OF LITTLETON	\$33,000.00	C	2/25/1971	6/30/1974	5
67 - XXX	A	FOSS FARM ACQUISITION	TOWN OF CARLISLE	\$50,312.00	C	6/1/1971	1/1/1972	5
81 - XXX	A	UNICORN ACQ	TOWN OF STONEHAM	\$252,500.00	C	12/16/1971	12/31/1972	7
82 - XXX	D	NIPPER MAHER PARK	CITY OF WALTHAM	\$47,623.79	C	12/15/1971	12/31/1972	7
85 - XXX	A	GREAT HILL ACQ.	ACTON CONSERVATION COMM.	\$134,355.00	C	2/17/1972	1/1/1975	5
88 - XXX	A	MACOMBER ESTATE ACQUISITION	FRAMINGHAM CONSERVATION COMM.	\$158,950.00	C	3/15/1971	1/1/1974	7
94 - XXX	D	PROSPECT HILL PARK	CITY OF WALTHAM	\$149,607.30	C	5/26/1972	12/31/1979	7
103 - XXX	D	MELROSE SWIMMING POOL	METROPOLITAN DIST. COMM.	\$250,000.00	C	7/31/1972	5/1/1974	7
107 - XXX	D	LOWELL SWIMMING POOL	DEPT. OF NATURAL RESOURCES	\$217,144.47	C	8/22/1972	12/31/1974	5
108 - XXX	D	MCGRANN & SACRAMONE PLAYGROUNDS	CITY OF EVERETT	\$115,282.07	C	9/7/1972	6/1/1975	7
120 - XXX	D	TRUM FIELD	CITY OF SOMERVILLE	\$166,690.32	C	2/28/1973	12/31/1976	8
123 - XXX	A	CUTLER/DAMON/BURKEMORGAN ACQ.	TOWN OF WAYLAND	\$160,865.51	C	3/23/1973	1/1/1975	5

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MIDDLESEX								
128 - XXX	A	GREENOUGH ESTATE - ACQUISITION	TOWN OF CARLISLE	\$192,600.00	C	6/18/1973	3/31/1974	5
129 - XXX	A	BARE MEADOW BROOK	READING CONSERVATION COMM.	\$26,743.53	C	11/14/1972	12/31/1973	6
132 - XXX	A	HASKELL PROPERTY	TOWN OF SUDBURY	\$90,215.74	C	10/5/1973	6/30/1975	5
134 - XXX	A	PARKER VILLAGE RECREATION	TOWN OF WESTFORD	\$51,872.64	C	10/26/1973	6/30/1975	5
135 - XXX	D	SUMMER STREET & CROSBY PLGD	TOWN OF ARLINGTON	\$70,278.49	C	11/27/1973	12/31/1976	7
136 - XXX	D	KELLEHER FIELD & STEVENS PLGD	CITY OF MARLBOROUGH	\$313,866.02	C	11/27/1973	6/30/1975	5
137 - XXX	D	FARREL FIELD & JOHN STREET PLGD	CITY OF MARLBOROUGH	\$111,871.15	C	11/26/1973	12/31/1975	5
138 - XXX	D	HANCOCK PLAYGROUND	CITY OF EVERETT	\$28,039.50	C	11/23/1973	1/1/1976	7
149 - XXX	A	HARRINGTON PARK	CITY OF CONCORD	\$62,768.00	C	5/7/1974	12/31/1975	5
153 - XXX	A	FARNAM SMITH ACQ.	DEPT. OF NATURAL RESOURCES	\$2,071,573.04	C	6/28/1974	6/30/1976	5
163 - XXX	C	STORER CONSERVATION LANDS	CITY OF WALTHAM	\$225,150.55	C	10/7/1974	6/30/1981	7
179 - XXX	D	CAMBRIDGE COMMON	CITY OF CAMBRIDGE	\$90,000.00	C	11/26/1975	12/31/1978	8
181 - XXX	D	POET'S CORNER, N. UNION, & PHEASANT	TOWN OF ARLINGTON	\$56,291.58	C	7/25/1975	12/31/1978	7
185 - XXX	D	BISHOP AND SPY POND PLAYGROUNDS	TOWN OF ARLINGTON	\$70,936.65	C	3/11/1976	12/31/1978	7
190 - XXX	D	SOUTH COMMON	CITY OF LOWELL	\$450,015.00	C	3/22/1976	12/31/1978	5
196 - XXX	R	MALDEN PARK RENOVATIONS	CITY OF MALDEN	\$290,800.00	C	5/27/1976	12/31/1978	7
203 - XXX	A	TOWNER'S POND RESERVATION	CITY OF MELROSE	\$20,925.00	C	9/30/1976	12/31/1981	7
204 - XXX	D	CONWAY PLAYGROUND	CITY OF SOMERVILLE	\$131,750.49	C	9/30/1976	12/31/1979	8
206 - XXX	A	WATERTOWN ARSENAL	TOWN OF WATERTOWN	\$1,165,730.00	C	1/31/1977	12/31/1982	8
210 - XXX	D	MENOTOMY, WALDO, WELLINGTON PARKS	TOWN OF ARLINGTON	\$73,577.50	C	5/2/1977	6/30/1980	7
222 - XXX	D	SHEDD PARK PINIC AREA	CITY OF LOWELL	\$49,748.00	C	7/19/1977	6/30/1980	5

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MIDDLESEX								
228 - XXX	R	DEVIR PARK & AMERGIE FIELD	CITY OF MALDEN	\$253,240.00	C	6/29/1977	6/30/1980	7
231 - XXX	C	RIVERSIDE PRESS	CITY OF CAMBRIDGE	\$1,500,050.00	C	12/14/1977	12/31/1981	8
233 - XXX	D	FARM POND	TOWN OF FRAMINGHAM	\$111,407.85	C	3/15/1978	12/31/1983	7
235 - XXX	D	ROBBINS, FLORENCE & MAGNOLIA PLGDS	TOWN OF ARLINGTON	\$74,022.75	C	4/4/1978	6/30/1981	7
241 - XXX	D	SOUTH BROADWAY PARK	CITY OF MALDEN	\$126,261.45	C	6/21/1978	6/30/1983	7
244 - XXX	D	COLUMBUS & VICTORY PARKS	CITY OF MEDFORD	\$82,777.56	C	8/2/1978	6/30/1983	7
248 - XXX	R	LOWELL HERITAGE STATE PARK	MA DCR and University of Mass at Lowell	\$1,345,123.57	C	9/29/1978	5/1/1984	5
254 - A	R	STATEWIDE FY79 CONSOLIDATED GRANT	CITY OF MEDFORD	\$865,000.00	C	5/22/1979	12/31/1983	7
254 - B	D	STATEWIDE FY79 CONSOLIDATED GRANT	TOWN OF ARLINGTON	\$71,957.95	C	5/22/1979	12/31/1983	7
254 - D	R	YTATEWIDE FY79 CONSOLIDATED GRANT	CITY OF WALTHAM	\$169,346.52	C	5/22/1979	12/31/1983	7
254 - E	D	STATEWIDE FY79 CONSOLIDATED GRANT	CITY OF MALDEN	\$204,857.84	C	5/22/1979	12/31/1983	7
254 - F	D	STATEWIDE FY79 CONSOLIDATED GRANT	CITY OF EVERETT	\$136,993.62	C	5/22/1979	12/31/1983	7
254 - I	D	STATEWIDE FY79 CONSOLIDATED GRANT	CITY OF NEWTON	\$250,000.00	C	5/22/1979	12/31/1983	4
254 - K	R	STATEWIDE FY79 CONSOLIDATED GRANT	CITY OF SOMERVILLE	\$146,261.45	C	5/22/1979	12/31/1983	8
261 - XXX	D	LIBRARY PARK	CITY OF WOBURN	\$352,295.62	C	7/24/1979	12/31/1983	7
272 - XXX	R	HILL PARK	CITY OF REVERE	\$175,000.00	C	9/28/1979	12/31/1983	0
280 - XXX	R	JACOB SCHARF PLAYGROUND	CITY OF EVERETT	\$200,000.00	C	3/28/1980	12/31/1983	7
281 - XXX	C	NEIGHBORHOOD FOUR PLAYGROUNDS	CITY OF CAMBRIDGE	\$400,000.00	C	3/28/1980	6/1/1985	8
282 - XXX	D	SOMERVILLE MULTI-PARKS	CITY OF SOMERVILLE	\$357,777.78	C	3/28/1980	12/31/1983	8
292 - XXX	A	CHESTNUT HILL GOLF COURSE	CITY OF NEWTON	\$125,000.00	C	3/28/1980	12/31/1983	4
296 - XXX	R	TOWN FIELD	TOWN OF BELMONT	\$17,995.10	C	2/11/1981	6/1/1981	8

**United States Department of the Interior
National Park Service
Land & Water Conservation Fund**

Detailed Listing of Grants Grouped by County

Today's Date: 11/25/2013

MASSACHUSETTS - 25

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Grant ID & Element	Type	Grant Element Title	Grant Sponsor	Amount	Status	Date Approved	Exp. Date	Cong. District
MIDDLESEX								
300 - XXX	D	TROTting PARK	CITY OF MARLBOROUGH	\$184,677.38	C	5/15/1981	7/1/1985	5
302 - XXX	D	LECHMERE CANAL PARK	CITY OF CAMBRIDGE	\$2,000,000.00	C	9/10/1981	9/10/1986	8
303 - XXX	D	WALNUT STREET PARK	CITY OF SOMERVILLE	\$69,100.49	C	5/15/1981	12/31/1985	8
305 - XXX	R	ARLINGTON RESERVOIR	TOWN OF ARLINGTON	\$181,214.00	C	4/22/1982	12/31/1985	7
310 - XXX	D	WOODSTOCK,PERKINS, AND HARRIS PARKS	CITY OF SOMERVILLE	\$108,468.16	C	5/15/1981	12/31/1985	8
311 - XXX	D	PROSPECT HILL PARK	CITY OF SOMERVILLE	\$152,129.89	C	6/4/1981	12/31/1985	8
313 - XXX	D	DOMENICK FILIPPELLO PARK	TOWN OF WATERTOWN	\$463,568.23	C	5/15/1981	6/30/1986	8
325 - XXX	R	GRAMSTORFF AND MORRIS PLAYGROUNDS	CITY OF EVERETT	\$130,000.00	C	8/29/1983	12/31/1986	7
328 - XXX	R	GLEN STREET & MORSE-KELLEY PLAYGROUN	CITY OF SOMERVILLE	\$225,000.00	C	8/22/1983	12/31/1986	8
346 - XXX	D	SOUTHWELL FIELD	TOWN OF CHELMSFORD	\$223,141.00	C	9/18/1984	6/30/1988	5
350 - XXX	D	OSGOOD PARK	CITY OF SOMERVILLE	\$59,014.00	C	4/11/1985	10/15/1986	8
354 - XXX	R	LINCOLN AND BAILEY PARKS	CITY OF SOMERVILLE	\$114,712.38	C	9/10/1984	12/31/1986	8
364 - XXX	R	POWDERHOUSE PARK	CITY OF SOMERVILLE	\$205,000.00	C	6/12/1985	12/31/1987	8
367 - XXX	R	DUGGER PARK	CITY OF MEDFORD	\$82,500.00	C	9/11/1985	12/31/1986	7
369 - XXX	R	WASGATT PLAYGROUND	CITY OF EVERETT	\$115,525.00	C	7/18/1985	12/31/1986	7
372 - XXX	R	MELROSE ATHLETIC FIELD	CITY OF MELROSE	\$92,000.00	C	5/29/1986	8/30/1987	7
377 - XXX	R	TRUM AND CORBETT PLAYGROUNDS	CITY OF SOMERVILLE	\$167,215.96	C	9/26/1985	12/31/1987	8
393 - XXX	A	MINUTEMAN BIKEWAY	TOWN OF ARLINGTON	\$90,000.00	C	9/30/1988	12/31/1989	7
411 - XXX	D	LAKE COCHITUATE WATERFRONT	TOWN OF NATICK	\$114,000.00	C	8/15/1991	12/31/1995	7
428 - XXX	D	WESTON POND	TOWN OF HOLLISTON	\$65,651.00	C	7/13/1993	12/31/1996	3
429 - XXX	R	BULLOUGH'S PARK & CITY HALL PONDS	CITY OF NEWTON	\$127,731.92	C	7/13/1993	6/30/1997	4

**United States Department of the Interior
National Park Service
Land & Water Conservation Fund**

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MASSACHUSETTS - 25

Grant ID & Element	Type	Grant Element Title	Grant Sponsor	Amount	Status	Date Approved	Exp. Date	Cong. District
MIDDLESEX								
433 - XXX	R	HOYT-SULLIVAN PLAYGROUND	CITY OF SOMERVILLE	\$72,500.00	C	7/18/1994	12/31/1996	8
435 - XXX	R	SHAPIRO PLAYLOT	CITY OF EVERETT	\$75,000.00	C	7/7/1994	12/31/1996	7
437 - XXX	A	MILL POND ACQUISITION	TOWN OF ASHLAND	\$27,500.00	C	7/28/1994	12/31/1996	5
441 - XXX	D	IPSWICH RIVER PARK	TOWN OF NORTH READING	\$176,739.00	C	2/8/1995	12/31/1998	6
443 - XXX	A	PAINE ESTATE	TOWN OF WAYLAND	\$90,000.00	C	1/9/1995	12/31/1997	5
451 - XXX	A	Loureiro Land	Town of Hudson	\$65,000.00	C	4/11/2001	12/31/2002	3
463 - XXX	A	Walent Property Acquisition	Department of Environmental Management	\$83,000.00	C	12/6/2002	6/30/2006	5
469 - XXX	R	Forte Park	City of Newton	\$223,076.01	C	8/4/2003	6/30/2008	4
472 - XXX	A	Larkin Land Acquisition	Town of Hudson	\$75,000.00	C	6/24/2004	6/30/2005	5
479 - XXX	R	Sandy Pond Beach	Town of Ayer	\$74,950.00	C	12/5/2005	6/30/2007	5
483 - XXX	A	Camp Kirby Acquisition	MA Department of Conservation & Recreation	\$409,256.39	C	10/25/2006	6/30/2009	1
486 - XXX	A	Ferrari Farm Acquisition	Town of Dunstable	\$420,971.00	C	3/26/2007	6/30/2008	5
494 - XXX	A	Whispering Hill Woods	City of Woburn	\$500,000.00	C	9/9/2010	6/30/2012	6
495 - XXX	R	Goodwill Park Playground	Town of Holliston	\$111,587.00	A	4/11/2011	6/30/2013	3
MIDDLESEX County Total:				\$23,854,972.45	County Count:		98	
MULTI-COUNTY								
297 - XXX	R	ICE RINK ENERGY CONSERVATION PROGRAM	DEPT. OF ENVIRONMENTAL MANAGEMENT	\$250,000.00	C	12/11/1980	12/31/1983	0
402 - XXX	D	ASHLEY PARK RENOVATION	CITY OF NEW BEDFORD	\$69,765.00	C	3/23/1990	12/31/1993	99
MULTI-COUNTY County Total:				\$319,765.00	County Count:		2	

Water Quality Data Forms

1 Location of Project

Street(s) (and/or site name):	Cochituate Rail Trail		
Project Number			
City:	Natick		
County:	Middlesex County		
State:	MA	Zip:	01760
District Number:	3		

[Click Here for Project Number Lookup](#)

2 Who will have final ownership of the road or bridge this project is addressing?

Receiving Water Body Information

Answer the following questions on the stormwater receiving water body and send this form to the MassDOT Environmental Section at the 25% design stage.

3 Does runoff from the site enter a separate storm sewer system (MS4) operated by another organization?

[Click Here for Instructions](#)

4 How many waterbodies receive storm water runoff from the area impacted by this project?

5 Receiving water body name:

[Click Here for Instructions](#)

6 What is the receiving water body's segment ID?

[Click Here for Instructions](#)

7 What is the stressed basin classification in the project area?

[Click Here for Instructions](#)

Receiving Water Body Name:

Confirm that this waterbody name is for the project's receiving water body. If not, confirm that the water body segment ID is accurate

Receiving Water Body Status:

Receiving Water Body Impairments:

Final TMDLs for Receiving Water

8 Is the Project Located in the Watershed of a Waterbody with a TMDL?

[Click Here for Instructions](#)

9 List the TMDLs that Cover Waterbodies in the Projects Watershed:

10 Is the Project Located in an Urban Area?

[Click Here for Instructions](#)

Requirements for BMPs Based on Receiving Water Body Status

BMPs must be implemented to ensure that storm water discharges from this site do not contribute to the receiving water quality impairments. Contact the Environmental Section at MassDOT for guidance selecting the required BMPs to achieve this. Ensure that the BMPs selected are recorded in the 75% design stage checklist

BMPs to minimize the loss of annual recharge to groundwater through the use of infiltration measures to the maximum extent practicable. Contact the Environmental Section at MassDOT for guidance selecting the required BMPs to achieve this. Ensure that the BMPs selected are recorded in the 75% design stage checklist

Massachusetts Category 5 Waters “Waters requiring a TMDL”

NAME	SEGMENT ID	DESCRIPTION	SIZE	POLLUTANT NEEDING TMDL [EPA APPROVAL DATE-DOCUMENT CONTROL NUMBER]
Assabet River (8246775)	MA82B-03_2008	From the Route 20 Dam, Northborough to the Marlborough West WWTP discharge, Marlborough.	2.4 miles	-Nutrients [9/23/2004-CN201.0] -Pathogens -Taste, odor and color -Noxious aquatic plants -(Exotic species*) -(Objectionable deposits*)
Assabet River (8246775)	MA82B-04_2008	From the Marlborough West WWTP discharge, Marlborough to the Hudson WWTP discharge, Hudson.	8.0 miles	-Cause Unknown -Metals -Nutrients [9/23/2004-CN201.0] -Organic enrichment/Low DO [9/23/2004-CN201.0] -Pathogens -Noxious aquatic plants [9/23/2004-CN201.0]
Assabet River (8246775)	MA82B-05_2008	From the Hudson WWTP discharge, Hudson to the USGS gage at Routes 27/62, Maynard.	8.2 miles	-Nutrients [9/23/2004-CN201.0] -Organic enrichment/Low DO [9/23/2004-CN201.0] -Pathogens -Taste, odor and color -Noxious aquatic plants -(Exotic species*) -(Objectionable deposits*)
Assabet River (8246775)	MA82B-06_2008	From the USGS gage at Routes 27/62, Maynard to the Powdermill Dam, Acton.	1.2 miles	-Priority organics -Metals -Nutrients [9/23/2004-CN201.0] -Organic enrichment/Low DO [9/23/2004-CN201.0] -Thermal modifications -Taste, odor and color -Noxious aquatic plants [9/23/2004-CN201.0] -(Exotic species*) -(Objectionable deposits*)
Assabet River (8246775)	MA82B-07_2008	From the Powdermill Dam, Acton to the confluence with the Sudbury River, Concord.	6.4 miles	-Nutrients [9/23/2004-CN201.0] -Organic enrichment/Low DO <9/23/2004-CN201.0> -Pathogens
Assabet River Reservoir (82004)	MA82004_2008	Westborough	338 acres	-Metals [12/20/2007-NEHgTMDL] -Organic enrichment/Low DO [9/23/2004-CN201.0] -Noxious aquatic plants -Turbidity -(Exotic species*)
Carding Mill Pond (82015)	MA82015_2008	Sudbury	40.5 acres	-Nutrients -Noxious aquatic plants -(Exotic species*)
Lake Cochituate (82020)	MA82020_2008	[North Basin] Natick/Framingham/Wayland	196 acres	-Priority organics -Organic enrichment/Low DO -(Exotic species*)
Lake Cochituate (82125)	MA82125_2008	[Middle Basin] Natick/Wayland	135 acres	-Priority organics -Organic enrichment/Low DO -Pathogens -(Exotic species*)

Massachusetts Category 5 Waters “Waters requiring a TMDL”

NAME	SEGMENT ID	DESCRIPTION	SIZE	POLLUTANT NEEDING TMDL [EPA APPROVAL DATE-DOCUMENT CONTROL NUMBER]
Lake Cochituate (82126)	MA82126_2008	[Carling Basin] Natick	14.3 acres	-Priority organics -(Exotic species*)
Lake Cochituate (82127)	MA82127_2008	[South Basin] Natick	240 acres	-Priority organics -Organic enrichment/Low DO -(Exotic species*)
Concord River (8246500)	MA82A-07_2008	From the confluence of the Assabet and Sudbury rivers, Concord to the Billerica Water Supply intake, Billerica.	10.4 miles	-Metals -Nutrients -Pathogens -(Exotic species*)
Concord River (8246500)	MA82A-08_2008	From the Billerica Water Supply intake, Billerica to Rogers Street bridge, Lowell.	5.1 miles	-Metals -Nutrients -(Exotic species*)
Concord River (8246500)	MA82A-09_2008	From the Rogers Street bridge, Lowell to the confluence with the Merrimack River, Lowell.	0.90 miles	-Metals -Nutrients -Pathogens -Noxious aquatic plants -(Objectionable deposits*)
Dudley Pond (82029)	MA82029_2008	Wayland	83.2 acres	-Organic enrichment/Low DO -Turbidity -(Exotic species*)
Eames Brook (8248125)	MA82A-13_2008	From the outlet of Farm Pond, Framingham to the confluence with the Sudbury River, Framingham.	0.57 miles	-Cause Unknown -Taste, odor and color -Noxious aquatic plants -(Exotic species*) -(Objectionable deposits*)
Elizabeth Brook (8247150)	MA82B-12_2008	From the outlet of an unnamed pond (Delaney Project on Stow/Harvard border) west of Harvard Road, Stow to the inlet of Fletchers Pond, Stow.	3.7 miles	-Cause Unknown
Farm Pond (82035)	MA82035_2008	Framingham	140 acres	-Noxious aquatic plants -Turbidity -(Exotic species*)
Fort Meadow Reservoir (82042)	MA82042_2008	Marlborough/Hudson	248 acres	-Pesticides -Nutrients -(Exotic species*)
Framingham Reservoir #1 (82044)	MA82044_2008	Framingham	118 acres	-Metals -(Exotic species*)
Framingham Reservoir #2 (82045)	MA82045_2008	Framingham/Ashland	114 acres	-Metals -Turbidity
Grist Mill Pond (82055)	MA82055_2008	Sudbury/Marlborough	16.7 acres	-Nutrients -Organic enrichment/Low DO -Pathogens -Noxious aquatic plants -(Exotic species*)

Summary of Waterbody Assessment and TMDL Status in Massachusetts

Natick, MA

ID	Waterbody Name	Watershed Name	Category	Acres		Miles		Cause	TMDL
				In Town - Total		In Town - Total			
MA72-05_2008	Charles River	Charles	5			2.5	18.1	Bioassessments Exotic species* Mercury Noxious aquatic plants Nutrients Organic enrichment/Low DO Turbidity	
MA72-06_2008	Charles River	Charles	5			0.6	8.4	Bioassessments Exotic species* Flow alteration* Noxious aquatic plants Nutrients PCBs Pesticides	
MA72034_2008	Dug Pond	Charles	4c	50.19	50.19			Exotic species*	
MA72053_2008	Jennings Pond	Charles	2	7.43	7.43				

1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters (CN 281.1, 12/2008); available at <http://www.mass.gov/dep/water/resources/08list2.pdf>
 2) For additional information on TMDLs and to view reports, see: <http://www.mass.gov/dep/water/resources/tmdls.htm>
 3) For Massachusetts Surface Water Quality Standards, and waterbody classes and uses, see: <http://www.mass.gov/dep/service/regulations/314cmr04.pdf>

Assessment of Waterbody Segment

Category 2 - Attaining some uses; other uses not assessed
 Category 3 - Insufficient information to make assessments for any use
 Category 4a - TMDL is completed
 Category 4c - Impairment not caused by a pollutant
 Category 5 - Impaired or threatened for one or more uses and requiring a TMDL

Summary of Waterbody Assessment and TMDL Status in Massachusetts

Natick, MA

ID	Waterbody Name	Watershed Name	Category	Acres		Miles		Cause	TMDL
				In Town -	Total	In Town -	Total		
MA72079_2008	Morses Pond	Charles	4c	9.05	111.82			Exotic species*	
MA72085_2008	Nonesuch Pond	Charles	4c	31.12	38.78			Exotic species*	
MA82020_2008	Lake Cochituate	Concord	5	0.89	195.59			Organic enrichment/Low DO Priority organics	
MA82038_2008	Fisk Pond	Concord	4c	61.76	61.76				
MA82125_2008	Lake Cochituate	Concord	5	134.25	134.53			Organic enrichment/Low DO Pathogens Priority organics	
MA82126_2008	Lake Cochituate	Concord	5	14.32	14.32			Priority organics	
MA82127_2008	Lake Cochituate	Concord	5	239.61	239.61			Organic enrichment/Low DO Priority organics	

1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters (CN 281.1, 12/2008); available at <http://www.mass.gov/dep/water/resources/08list2.pdf>
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Assessment of Waterbody Segment

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Note: The accuracy of mileage and acreage estimates is limited for waterbodies that serve as or span municipal boundaries

High Quality Streams in Massachusetts Town of NATICK, MA



0 0.5 1 2 Miles



High Quality Streams in MA

- Town Boundaries
- General
- High Quality

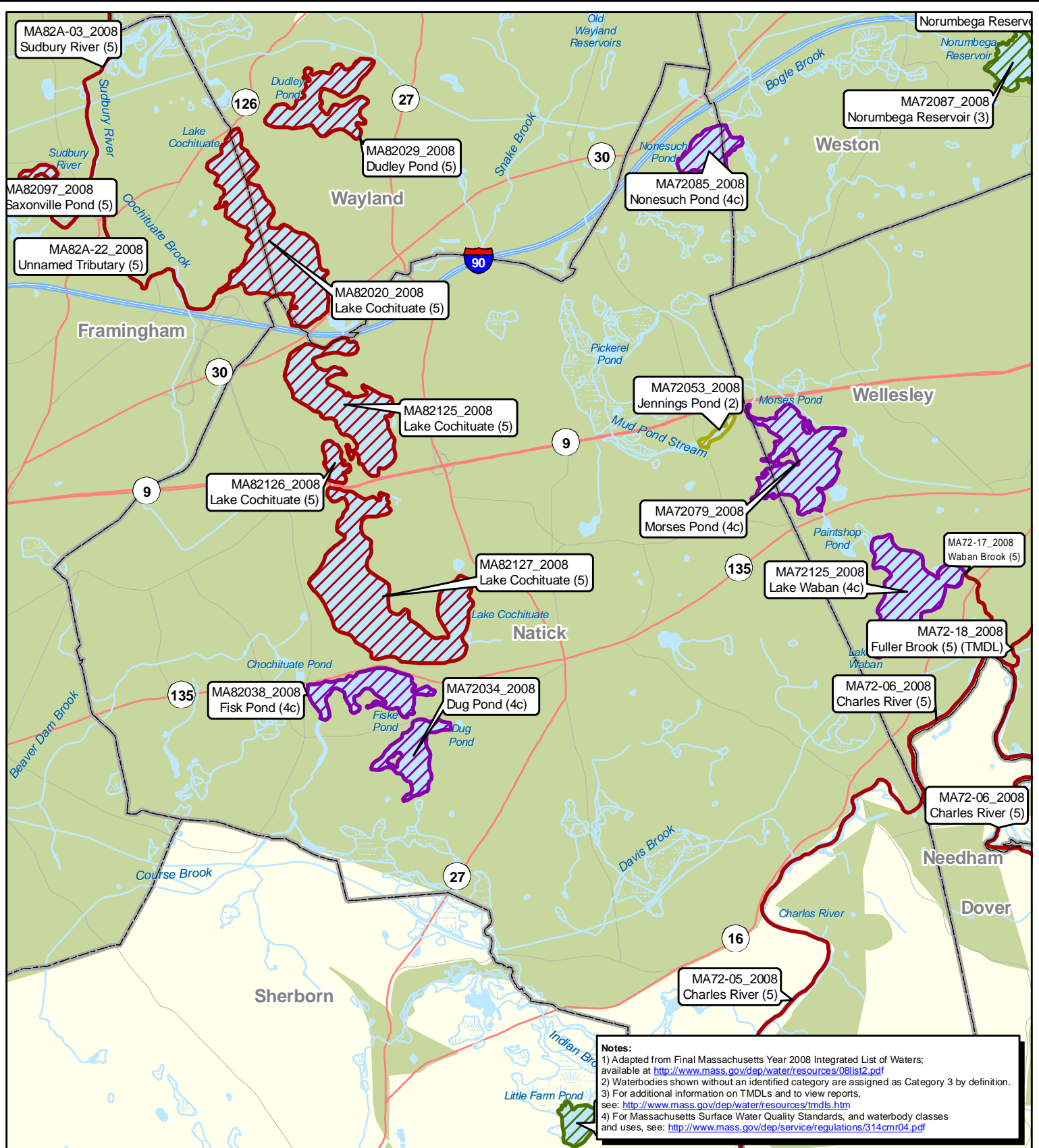
High-Quality Streams in Massachusetts

This data layer was compiled from a variety of sources to be consistent with General Condition 21 (d) iii on Page 10 of the U.S. Army Corps Massachusetts General Permit.* The following data were used in compiling this layer:

- MA Natural Heritage and Endangered Species Program (NHESP) Living Waters Core Habitats (November 2003 from MassGIS)
- MA NHESP BioMap Core Habitats: All streams that fell within BioMap Core Habitats (June 2002 from MassGIS)
- Areas of Critical Environmental Concern (ACECs): All streams that fell within ACECs (April 2009 from MassGIS)
- Cold Water Fisheries: Streams in sub-watersheds where brook trout populations are categorized as "intact" and that have a contributing watershed of 0.5 sq. mi or more (2006 from Eastern Brook Trout Joint Venture)
- Anadromous Fish Runs: From 1997 data provided by the MA Division of Marine Fisheries supplemented with data from the U.S. Fish and Wildlife Service for the Connecticut River watershed.

*For ongoing cranberry bog operations, the "High Quality" designation applies only to principal streams running through the bog and not to constructed lateral ditches (even though the ditches may appear as "High Quality" streams in the GIS data or maps).

See: http://www.streamcontinuity.org/assessing_crossing_structures/prioritizing_streams.htm



Waterbody Assessment and TMDL Status Natick, MA



0 0.5
Miles



Map produced by EPA Region I GIS Center
Map Tracker ID 6678, February 25, 2010
Data Sources: TeleAtlas, Census Bureau,
USGS, MassDEP

See companion table for a listing of pollutants,
non-pollutants, and TMDLs for each waterbody

Draft NOI